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ENGINEERING CHANGE REQUEST

ECR 144

Date Opened: 1/27/21 11:17 AM Type: Drawing/Pattern Change Priority: High Status: Under Review Reason: Update to 647.1308 Kit (ref. dwg 647.1300, II145-21 and ICA145-21) is required to remove F/N 70 (ref. Screw P/N 601.3012 (MS27039-1-15)) from Kit and replace with an M6 fastener of adequate length; maybe use Bolt P/N 601.3963 (93635A212?). Update to 647.1307 Kit (ref. dwg 647.1300, II145-21 and ICA145-21) replacement of MS27039-1 Screws with an MS27039-4 Screws, MS21047-4 Nut Plates and NAS1149F0432 Washers. Expense: 0 Target Date: 2/10/21 12:00 AM Execution Date: ECR Approval No:	Requested By: Becker, Jacob Responsible Engineer: Fuentes, Roberto Requester*: Bellavance, Marc ECR Lead*: Drouin, Steven DE Approver*: Gardiner, Jason ECR Lead*: Becker, Jacob
RE (R&D): Status Note:	**BRIEF DESCRIPTION**: 647.1300 E CCK, EC145/H145 Hardware Update DESCRIPTION/ ADR CONTENT**: 647.1308: The hardware provided to secure the 647.2113 Rail onto the aircraft are #10-32 size threads while the existing OEM provisions are M6 size threads. Furthermore, the hole size on 647.2113 is 0.250 in diameter which is an adequate size for an M6 fastener. 647.1307: replacement of MS27039-1 Screws with an MS27039-4 Screws, MS21047-4 Nut Plates and NAS1149F0432 Washers.

CUSTOMER APPROVALS

Customer	Customer Visible	Customer Approval Required	*	Customer Approved
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PARTS

Part No	Rev	Part Status	Name	Type	Customer Part	Special Comments	Documents
647.1307		On hold	EC145 T2 Cable Cutter System	Finished Good	647.1307 647.1307 647.1307 647.1307		
647.1308		On hold	EC145 T2 Cable Cutter Removable Provisions	Finished Good	647.1308 647.1308 647.1308 647.1308		
647.1309		On hold	EC145 T2 Fixed Provisions Compatible with Cable Cutters	Finished Good			

INVENTORY DISPOSITION

Part No Revision	Material No	Current Inventory Qty	Purchasing On-Order Qty	Qty Scheduled for Production
647.1307		4 Rework Stock - DART	0 *	0 Adjust Jobs Scheduled
647.1308		0 Rework Stock - DART	0 *	0 Adjust Jobs Scheduled
647.1309		0 Rework Stock - DART	0 *	0 Adjust Jobs Scheduled

EFFECTS

Effect Group	Effects
1. Quarantine?	Immediate quarantine required
2. ECR Lead Assessment - Impacted Docs & Output	Related to Cable Cutters (CCK), Update/Create IIN (Update information for the 647.1307 per SIL-2020-17 Update information for the 647.1308 per SIL-2020-18), Update/Create ICA (Update information for the 647.1307 per SIL-2020-17 Update information for the 647.1308 per SIL-2020-18)
3. ECR Lead Assessment - Status During ECR	UR - Full Under Review
4. Production Type	In-house production
5A. ECR Lead Assessment - MINOR Changes	Correction of drawing errors, Change of standard hardware, Minor change to component to improve fit or manufa